

Notice of Allowability

Application No.

10/736,183

Applicant(s)

BARKLEY ET AL.

Examiner

LAM S. NGUYEN

Art Unit

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment dated 10/8/2007.
2. ☒ The allowed claim(s) is/are 12, 18, 19, 22-25, 28 and 29.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 10/10/2007
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Lam S. Nguyen
LAM S. NGUYEN

EXAMINER'S AMENDMENT ✓

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Paul Gosnell on 10/23/2007.

The application has been amended as follows:

In the claims:

Claim 18: Replaced as follows:

--18. A printhead cartridge for an ink jet printer, comprising:

at least one ink reservoir; and

a printhead fluidly coupled to said at least one ink reservoir, said printhead

including:

a plurality of nozzles for ejecting ink;

a plurality of actuators associated with said plurality of nozzles;

an actuator firing logic circuit in communication with said plurality of actuators for selectively energizing said plurality of actuators; and

a decoder circuit in communication with said actuator firing logic circuit, said decoder circuit including at least one input for receiving at least one composite fire signal, wherein said at least one composite fire signal represents a plurality of fire signals, wherein each

fire signal of the plurality of fire signals is used to separately address a respective corresponding group of the plurality of nozzles;

wherein said at least one composite fire signal includes a plurality of color composite fire signals; and

wherein said plurality of color composite fire signals is associated with a plurality of ink colors.--

Claim 20: Cancelled

Claim 21: Cancelled

Claim 24: Replaced as follows:

-- 24. A printhead for an ink jet printer, comprising:

a plurality of nozzles for ejecting ink;

a plurality of actuators associated with said plurality of nozzles;

an actuator firing logic circuit in communication with said plurality of actuators for selectively energizing said plurality of actuators; and

a decoder circuit in communication with said actuator firing logic circuit, said decoder circuit including at least one input for receiving at least one composite fire signal, wherein said at least one composite fire signal represents a plurality of fire signals, and wherein each fire signal of the plurality of fire signals is used to separately address a respective corresponding group of the plurality of nozzles;

wherein said at least one composite fire signal includes a plurality of color composite fire signals; and

wherein said plurality of color composite fire signals is associated with a plurality of ink colors.--

Claim 26: Cancelled

Claim 27: Cancelled

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAM S. NGUYEN whose telephone number is (571)272-2151. The examiner can normally be reached on 7:00AM - 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, STEPHEN D. MEIER can be reached on (571)272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



LAM SON NGUYEN